NC/QC/YPD/SIP-01/2017-18/MN-W4 Date: 31-03-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Main roads and drains at Maruthi Nagara.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	100.00	100
45.00	97.35	95-100
26.50	---	-
22.40	75.45	60-80
11.20	48.25	40-60
4.75	32.30	25-40
2.36	25.15	15-30
0.600	17.60	8-22
0.075	4.05	0-5

*As Furnished by Client
The Results relate only to the items tested

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Proprietor

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NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

Newzen Consultants Bangalore

Date: 31-03-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**26.19 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**27.23 %**	Not more than 35.0 %
3.	Water absorption, %	**0.38 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2018-19/MN-W5 Date: 03-04-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Main roads and drains at Maruthi Nagara.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**98.35**	95-100
26.50	---	-
22.40	**75.10**	60-80
11.20	**53.60**	40-60
4.75	**35.45**	25-40
2.36	**23.75**	15-30
0.600	**18.15**	8-22
0.075	**3.60**	0-5

*As Furnished by Client
The Results relate only to the items tested

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Newzen Consultants Bangalore

Date: 03-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.63%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.89 %**	Not more than 35.0 %
3.	Water absorption, %	**0.38 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2018-19/MN-W6 Date: 05-04-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Main roads and drains at Maruthi Nagara.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**96.25**	95-100
26.50	---	- -
22.40	**73.10**	60-80
11.20	**55.45**	40-60
4.75	**33.55**	25-40
2.36	**24.75**	15-30
0.600	**19.40**	8-22
0.075	**3.85**	0-5

*As Furnished by Client
The Results relate only to the items tested

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Newzen Consultants Bangalore

Date: 05-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**26.09%**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.67 %**	Not more than 35.0 %
3.	Water absorption, %	**0.38 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2018-19/MN-W7 Date: 07-04-2018

TEST REPORT ON WET MIX MACADAM MIX

(GRADATION TEST)

Sub: To conduct Gradation test on Wet Mix Macadam (WMM) Mix.
{Project*: Improvements to Main roads and drains at Maruthi Nagara.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TEST RESULTS

1. Gradation Test:

TABLE 1.1

Sieve Size mm	Percent by Weight passing the Sieve from the sample supplied (Obtained Gradation)	Specified Limits as per MoRTH Specifications, V Revision-2013
53.00	**100.00**	100
45.00	**98.45**	95-100
26.50	**---**	-
22.40	**74.15**	60-80
11.20	**56.70**	40-60
4.75	**34.10**	25-40
2.36	**21.00**	15-30
0.600	**19.65**	8-22
0.075	**3.55**	0-5

*As Furnished by Client
The Results relate only to the items tested

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Newzen Consultants Bangalore

Date: 07-04-2018

TABLE 1.2

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.96 %**	Not more than 30.00 %
2.	Combined Flakiness and Elongation index, %	**26.32 %**	Not more than 35.0 %
3.	Water absorption, %	**0.38 %**	Not more than 2.0 %
4.	Plasticity Index, %	**NP**	Not more than 6.0 %

*As furnished by Client.

Note: The Results relate only to the items tested

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NC/QC/YPD/SIP-01/2018-19/MN-B1 **Date: 05-04-2018**

1. TEST REPORT ON BITUMEN SAMPLE:

Sub: Testing of Bitumen sample VG-30 Grade.
{Project*: Improvements to Main roads and drains at Maruthi Nagara.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.
Technical Reference: Ministry of Road Transport and Highways, V Revision, 2013 and IS 73: 1992.

TABLE 1.1 ;

SL No	Details	Test Results	Requirements as per I.S 73 –1992 Specifications
1.	Penetration at 25^0 C	**53.00^0 C**	Min. 45
2.	Ductility Value at 25^0 C	**114 cm**	40
3.	Flash point	**236^0 C**	Minimum 220^0 C
4.	Softening point	**52.10^0 C**	Min. 47

*As furnished by Client.
The results relate only to the samples tested.

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NC/QC/YPD/SIP-01/2018-19/MN-CA2 **Date: 05-04-2018**

1. TEST REPORT ON COARSE AGGREGATE:

Sub: Testing of Coarse Aggregate used in Dense Graded Bituminous Macadam.
{Project*: Improvements to Main roads and drains at Maruthi Nagara.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: M/s KRIDL, Bangalore.

TABLE 1.1 ;

SL No	Test conducted	Test Results	Tests Conforms to IS 2386(Part I to IV)– 1963 (Reaffirmed on 2002) & Requirements as per IS:383-1970 & M.o.R.T.H Specification, V Revision -2013.
1.	Aggregate Impact Value	**25.13%**	Not more than 27.00 % for DBM
2.	Combined Flakiness and Elongation index, %	**26.89 %**	Not more than 35.0 %
3.	Water absorption, %	**0.34 %**	Not more than 2.0 %
4.	Specific gravity	**2.49**	-------
5.	Soundness	**5.84 %**	Max. 12 % in Sodium Sulphate

*As furnished by Client.
The results relate only to the samples tested.

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